

# Report of Inspection/Test

## Environmental Health & Safety

January 01, 2000

**Property**

test

James Field  
113 Draper Hall  
40 Campus Center Way  
University of Mass

**Owner/Agent**

Environmental Health & Safe

117 Draper Hall  
UMass at Amherst, MA 01003  
Tel. (413) 545-2682



**Conducted by:**  
**Inspection Ref: 2537**

Access	AHJ	Owner	Water Co
		James M. Field Environmental Health & S. 545-5122	
<b>Building Notes</b>		<b>Inspection Notes</b>	
Key:			

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## Doors/Lab Safety Card

- [ ]Yes [ ]No [ ] N/A Laboratory Safety Information Card is up to date.  
[ ]Yes [ ]No [ ] N/A The Lab card indicates that biohazards are present in the lab. These are listed below.  
[ ]Yes [ ]No [ ] N/A Other appropriate signs present (i.e., NFPA diamond, gases, flammables, oxidizers, etc.).  
[ ]Yes [ ]No [ ] N/A Door windows are not obstructed.  
[ ]Yes [ ]No [ ] N/A Doorways are clear and not obstructed.

## Safety

- [ ]Yes [ ]No [ ] N/A The drench shower is not obstructed.  
[ ]Yes [ ]No [ ] N/A The drench shower has been properly tested.  
[ ]Yes [ ]No [ ] N/A Eyewash station(s) is available.  
[ ]Yes [ ]No [ ] N/A All eyewash stations are accessible.  
[ ]Yes [ ]No [ ] N/A Eyewash stations are "flushed" weekly for at least 3 minutes.  
[ ]Yes [ ]No [ ] N/A Fire extinguisher(s) located near lab doors.  
[ ]Yes [ ]No [ ] N/A Fire extinguisher(s) not discharged or tampered with.  
[ ]Yes [ ]No [ ] N/A Fire extinguisher(s) have current inspection dates.  
[ ]Yes [ ]No [ ] N/A First Aid kit is available.

## Signs and Postings

- [ ]Yes [ ]No [ ] N/A "CAUTION - EYE PROTECTION REQUIRED"  
[ ]Yes [ ]No [ ] N/A Laboratory Safety Rules are posted.  
[ ]Yes [ ]No [ ] N/A Emergency telephone numbers available.  
[ ]Yes [ ]No [ ] N/A Emergency gas and electrical shutoffs are clearly labeled.

## General Housekeeping

- [ ]Yes [ ]No [ ] N/A The laboratory is clean, neat, and orderly.  
[ ]Yes [ ]No [ ] N/A Aisles and corridors are free of obstruction and tripping hazards.  
[ ]Yes [ ]No [ ] N/A The floor is in good condition.  
[ ]Yes [ ]No [ ] N/A Food and beverages are not consumed and cosmetics not applied in the laboratory.  
[ ]Yes [ ]No [ ] N/A Doors locked when the lab not in use?  
[ ]Yes [ ]No [ ] N/A Chemicals are not discarded into waste baskets or sink drains.

## Radiation Lab Postings

- [ ]Yes [ ]No [ ] N/A 105CMR 120.000 is present MPH RAD Right to Know  
[ ]Yes [ ]No [ ] N/A MRCP 120.175-1 is present.  
[ ]Yes [ ]No [ ] N/A CAUTION RAM sign is present.  
[ ]Yes [ ]No [ ] N/A Controlled Area sign is present.

## Personal Protective Equipment (PPE)

- [ ]Yes [ ]No [ ] N/A All laboratory occupants wear the appropriate eye and/or face protection.  
[ ]Yes [ ]No [ ] N/A The protective eyewear meets ANSI standard, Z87.1, as required.  
[ ]Yes [ ]No [ ] N/A All laboratory occupants wear appropriate laboratory coats and aprons as needed.  
[ ]Yes [ ]No [ ] N/A All laboratory occupants wear appropriate gloves as needed.  
[ ]Yes [ ]No [ ] N/A Laboratory visitors are required to wear personal protective equipment as needed.

## General Safety Procedures

- [ ]Yes [ ]No [ ] N/A Shorts and open-toed shoes are prohibited without a laboratory coat and foot coverings.  
[ ]Yes [ ]No [ ] N/A Loose clothing and long hair is confined to prevent contact with chemicals and equipment.

## Chemical Safety

- [ ]Yes [ ]No [ ] N/A Acutely hazardous chemicals outdated.

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(All "NO" answers are to be fully explained.)  
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### Chemical Safety

- [ ]Yes [ ]No [ ] N/A All chemical containers are properly labeled.  
[ ]Yes [ ]No [ ] N/A All chemicals are stored compatibly.  
[ ]Yes [ ]No [ ] N/A Flammable liquid storage is kept to an absolute minimum.  
[ ]Yes [ ]No [ ] N/A Flammable liquids are stored in approved flammable storage cabinets or refrigerators.  
[ ]Yes [ ]No [ ] N/A Chemicals are not placed or stored on the floor.  
[ ]Yes [ ]No [ ] N/A All hazardous, toxic, and odiferous chemicals are used in approved fume hoods.  
[ ]Yes [ ]No [ ] N/A Acutely hazardous chemicals are used with appropriate safeguards.

### Biological Waste

- [ ]Yes [ ]No [ ] N/A Sharps are disposed of in sharps containers.  
[ ]Yes [ ]No [ ] N/A Cultures and stocks are chemically disinfected or autoclaved before disposal.  
[ ]Yes [ ]No [ ] N/A All biohazard identifiers are removed or covered before disposal.  
[ ]Yes [ ]No [ ] N/A Lab has necessary materials to properly label sharps containers, medical waste and animal carcasses for pick up.

### Chemical Waste

- [ ]Yes [ ]No [ ] N/A Chemical waste is located in a properly identified area.  
[ ]Yes [ ]No [ ] N/A The chemical waste label clearly identifies the chemical constituents and specific hazards.  
[ ]Yes [ ]No [ ] N/A Chemical waste containers are closed and in good condition.  
[ ]Yes [ ]No [ ] N/A Secondary containment is used properly.  
[ ]Yes [ ]No [ ] N/A Hazardous waste is checked weekly.  
[ ]Yes [ ]No [ ] N/A Waste requests have been submitted for full containers.

### Fume Hood and Exhaust Systems

- [ ]Yes [ ]No [ ] N/A Repair WO Date  
[ ]Yes [ ]No [ ] N/A Repair WO Done Date  
[ ]Yes [ ]No [ ] N/A Chemical fume hoods and/or bio-safety cabinets have been properly tested.  
[ ]Yes [ ]No [ ] N/A Chemical fume hoods are being used at proper sash heights.  
[ ]Yes [ ]No [ ] N/A Chemical fume hoods are not used for storage unless so designated.  
[ ]Yes [ ]No [ ] N/A Fume hood lights are working.  
[ ]Yes [ ]No [ ] N/A Fume hood or bio-safety cabinet tested within one year.  
[ ]Yes [ ]No [ ] N/A Fume hood is being used for research.

### Gas Cylinders

- [ ]Yes [ ]No [ ] N/A Gas cylinders are stored compatibly.  
[ ]Yes [ ]No [ ] N/A All gas cylinders are properly capped or have regulators.  
[ ]Yes [ ]No [ ] N/A All gas cylinders are properly secured to a stationary bench or wall.  
[ ]Yes [ ]No [ ] N/A All flammable gas cylinders are located away from doors.  
[ ]Yes [ ]No [ ] N/A All gas cylinders are located away from electric panels or outlets.  
[ ]Yes [ ]No [ ] N/A Extremely poisonous gases are used in approved gas cylinder cabinets.  
[ ]Yes [ ]No [ ] N/A Gas cylinders are transported on appropriate carts with straps or chains.

### Refrigerators

- [ ]Yes [ ]No [ ] N/A Flammable liquids are not stored in non-explosion proof refrigerators.  
[ ]Yes [ ]No [ ] N/A Food and beverages are not stored in laboratory refrigerators.  
[ ]Yes [ ]No [ ] N/A Refrigerators are clean and maintained.  
[ ]Yes [ ]No [ ] N/A Freezer are defrosted and clean.

### Electrical Safety

- [ ]Yes [ ]No [ ] N/A All electrical equipment is properly grounded.  
[ ]Yes [ ]No [ ] N/A All electrical cords are in good condition, without splice or defect.

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- |   |  |
|---|--|
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Electrical outlets are prohibited within chemical fume hoods.                          |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | The electric panel breakers and fuses are properly labeled.                            |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Electrical cords do not pass through ceilings, doors, or walls.                        |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Electrical cords are not draped across the laboratory floor.                           |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Flammable liquids are not potentially near electric ignition sources.                  |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Acids do not come into close contact with electric ignition sources.                   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Guards are provided for all moving parts of electrical equipment (i.e., vacuum pumps). |

## Training

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input type="checkbox"/> No                              | Laboratory personnel have undergone safety training and specific training in the procedures conducted in the lab. |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | The laboratory has the Laboratory Health and Safety Manual.   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | MSDS sheets are available.  |

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